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DIRECTOR OF PUBLIC WORKS

DESIGNED AO
DRAWN DA
CHECKED CS
DATE 5/1/17



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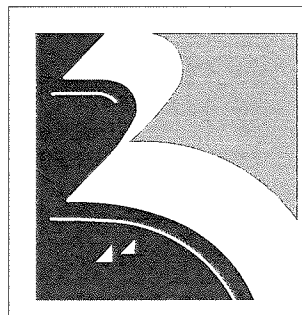


BUS STOP ADA ACCESS IMPROVEMENTS
PROJECT NO. 022217
TITLE SHEET

SHEET 1 OF 3
SHT. 1

PROJECT NO. 022217

CITY OF RANCHO PALOS VERDES
ADA ACCESS IMPROVEMENT PROJECT – BUS STOP
PROJECT NO. 022217
THIS IS A FEDERAL AID PROJECT
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) NO. 601795-16



DATUM STATEMENT:

CCS-83, ZONE V. AS DETERMINED LOCALLY BETWEEN
CSRC STATIONS PVE3 AND PVH5, BEING:
DATUM: NAD-83
PROJECTION: CCS-83
ZONE: V
EPOCH: NSRS2007 00
COMBINATION FACTOR: 1.00006425
NOTE: COORDINATES AND DISTANCES INVERSED FROM
COORDINATES ARE GRID. TO OBTAIN GROUND DISTANCES
DIVIDE THE GRID DISTANCE BY THE COMBINATION FACTOR

SHEET INDEX

- 1 TITLE SHEET
2 PLAN AND PROFILE
3 SIGNING AND STRIPING

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), THE CITY OF RANCHO PALOS VERDES STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS & SPECIFICATIONS, & PROJECT SPECIAL PROVISIONS, EACH OF THE MOST RECENT DATE

2. THE CONTRACTOR SHALL NOTIFY THE CITY OF RANCHO PALOS VERDES AT LEAST TWO WORKING DAYS (48 HOURS) PRIOR TO STARTING CONSTRUCTION, AT (310) 544-5252.

3. ALL UNDERGROUND FACILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF STREETS. THE INSTALLATION OF ALL UNDERGROUND FACILITIES CROSSING EXISTING ARTERIAL HIGHWAYS REQUIRES BORING OR JACKING, UNLESS OTHERWISE APPROVED BY THE CITY OF RANCHO PALOS VERDES.

4. TRAFFIC CONTROL AND SAFETY DEVICES SHALL BE INSTALLED PER THE 2014 EDITION OF THE CALIFORNIA MUTCD, AND TO THE SATISFACTION OF THE CITY OF RANCHO PALOS VERDES.

5. EXISTING PAVEMENT DISTURBED BY THE CONSTRUCTION OF UNDERGROUND INSTALLATIONS SHALL BE REPLACED IN KIND & RESTRIPEDED. A PERMIT ISSUED BY THE CITY OF RANCHO PALOS VERDES IS REQUIRED.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENTS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES. ANY DAMAGE TO SUCH FACILITIES CAUSED BY HIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

8. THE CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION TO THE SATISFACTION OF THE CITY'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION. STOCKPILING OF MATERIALS WITHIN THE PUBLIC RIGHT-OF-WAY IS NOT ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY INSPECTOR.

9. CONTRACTOR SHALL OBTAIN ALL REQUIRED O.S.H.A. PERMITS PRIOR TO CONSTRUCTION OF UNDERGROUND FACILITIES.

10. WHEELCHAIR RAMPS, DRIVEWAY APRONS, CURBS, OR GUTTERS DISTURBED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. A PERMIT ISSUED BY THE CITY OF RANCHO PALOS VERDES IS REQUIRED.

11. ALL SAWCUTS SHALL BE DONE BY THE WET-CUT METHOD, UNLESS OTHERWISE APPROVED BY THE ENGINEER, AND ALL SLURRY SHALL BE VACUUM REMOVED.

12. CONSTRUCTION SHALL BE ADJUSTED AS NECESSARY TO MATCH EXISTING CONDITIONS, USES, AND PROVIDE POSITIVE SURFACE DRAINAGE. EXACT LIMITS AND CONFIGURATION OF WORK TO BE ADJUSTED AS DIRECTED BY THE ENGINEER IN THE FIELD.

13. TOPOGRAPHIC INFORMATION SHOWN HEREIN HAS BEEN PROVIDED BY THE CITY OF RANCHO PALOS VERDES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECTNESS OF TOPOGRAPHIC INFORMATION FOR HIS OWN PURPOSES.

14. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION MARKINGS FROM THE PROJECT BY POWER WASHING, INCLUDING THOSE PLACED FOR UTILITY LOCATING AND CONSTRUCTION SURVEYING. WASTE FROM POWER WASHING MUST BE DISCHARGED IN COMPLIANCE WITH NPDES.

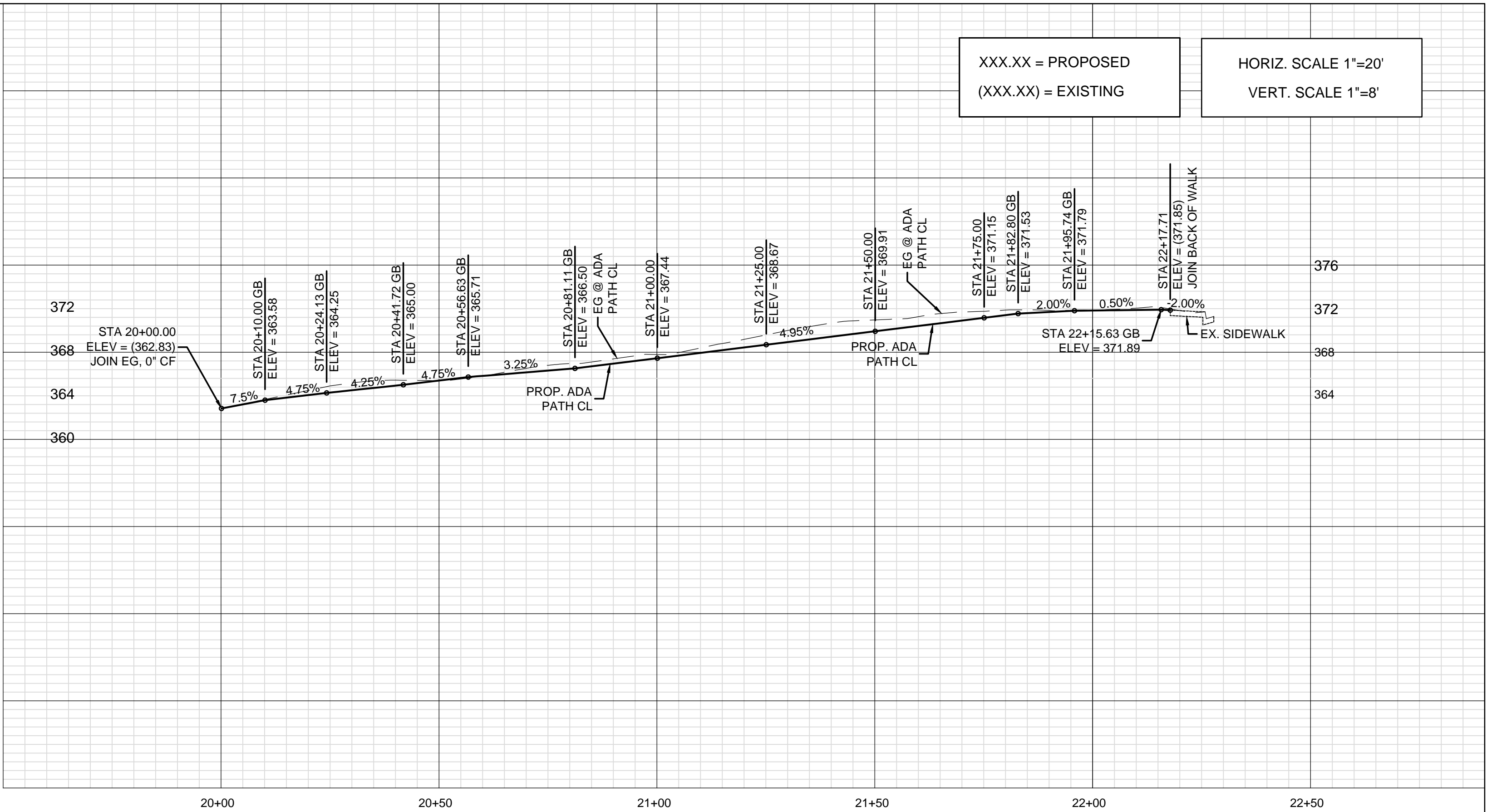
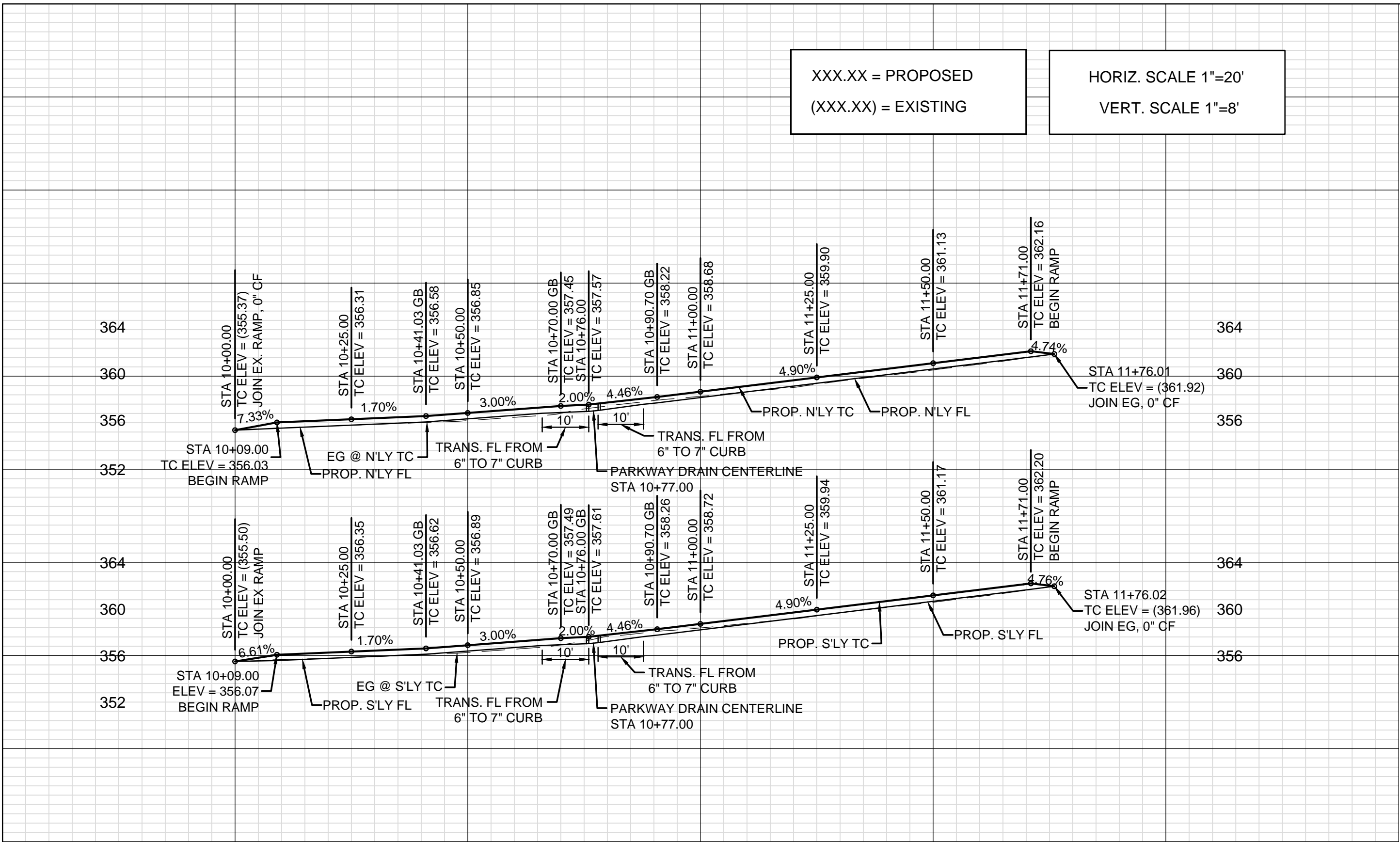
NOTICE: ACTUAL EXISTING SITE CONDITIONS MAY DIFFER FROM THOSE SHOWN. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO BIDDING. LOCATION OF EXISTING AND ABANDONED UTILITIES IS UNKNOWN OR FROM RECORD DATA ONLY. THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION LOCATIONS OF ALL UTILITIES PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR SHALL MAINTAIN AS-BUILT RECORDS OF EXISTING UTILITIES AND INFORM THE ENGINEER IN CASE OF DISCREPANCIES.

THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED USE OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE CONTRACTOR SHALL VERIFY THE PRESENCE, LOCATION, AND MATERIAL OF ALL AFFECTED OR CONFLICTING UTILITIES AS NECESSARY FOR CONSTRUCTION. UTILITY VERIFICATION AND NOTIFICATION SHALL BE MADE IN A TIMELY MANNER SO AS TO ALLOW FOR ALTERNATIVE PLANNING WITHOUT AFFECTING THE CONSTRUCTION SCHEDULE MATERIALLY.

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LEGEND:

- CONSTRUCT P.C.C. PAVEMENT
- CONSTRUCT A.C. PAVEMENT

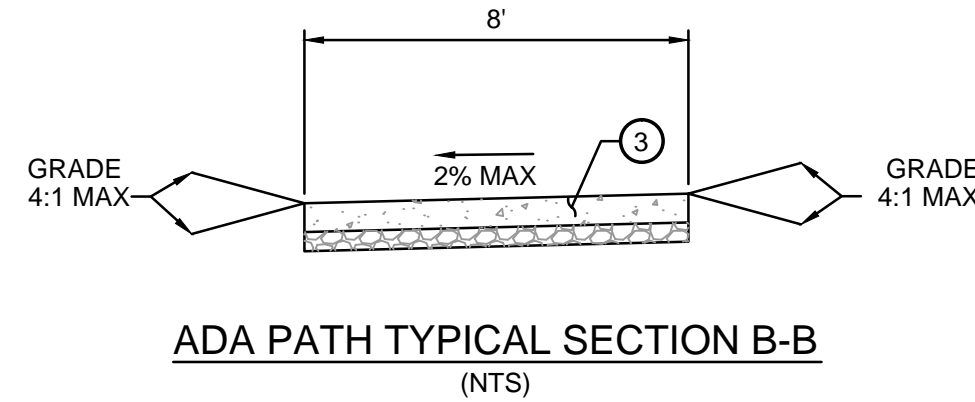
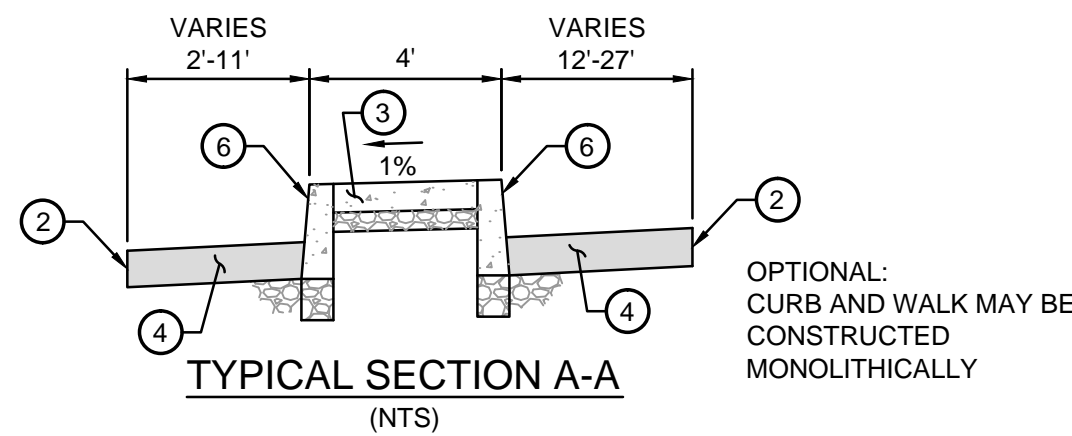
CITY PARKING LOT

RANCHO PALOS VERDES CITY HALL

HAWTHORNE BLVD

CITY HALL DRIVEWAY

TO HAWTHORNE BLVD

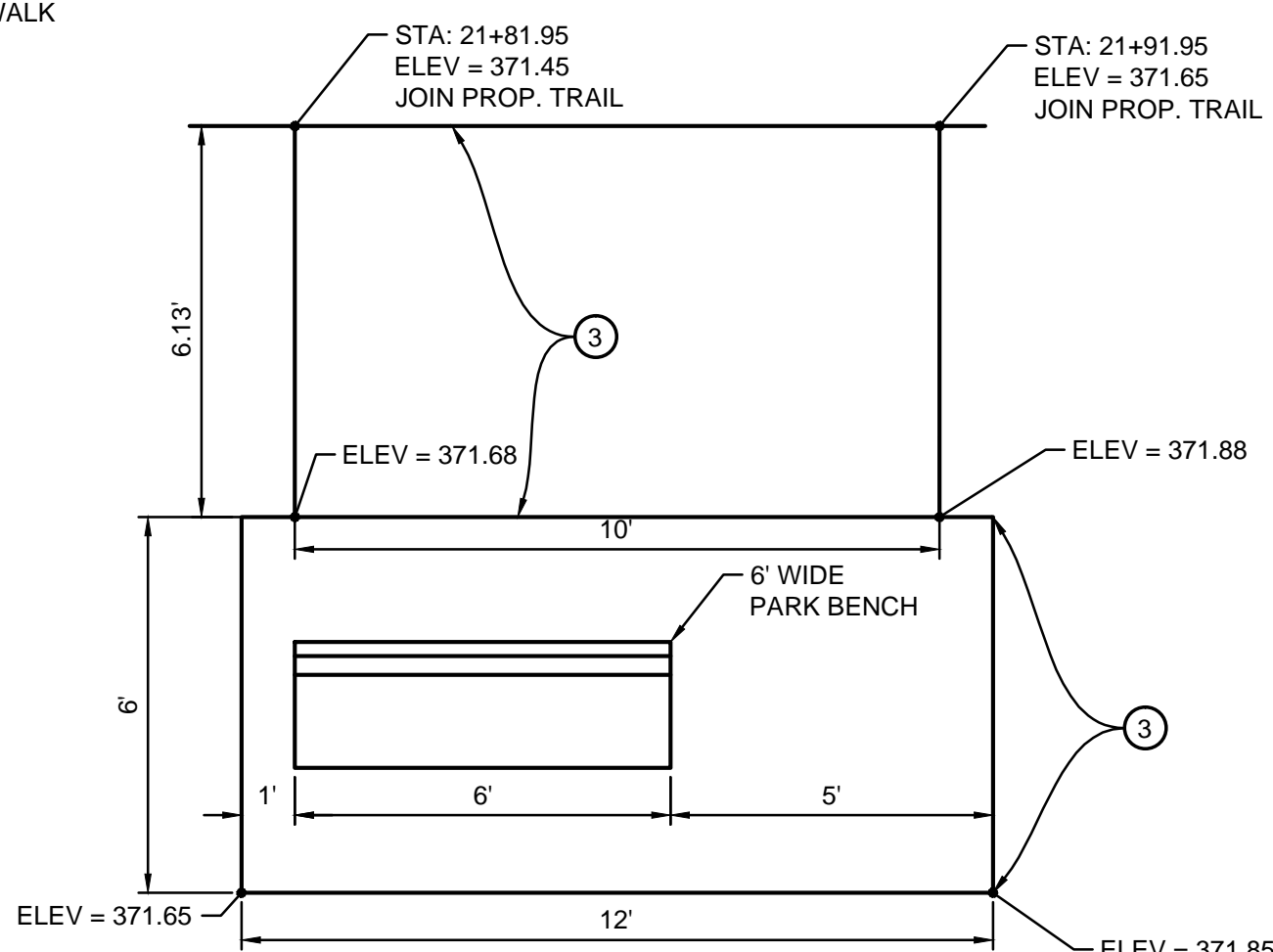


CONSTRUCTION NOTES

- REMOVE EXISTING CURB AND PAVEMENT AS NEEDED FOR CONSTRUCTION.
- REMOVAL LIMIT. SAWCUT CONCRETE, ASPHALT, AND OTHER HARDSCAPE SURFACE AND REMOVE TO THE LIMITS SHOWN ON THIS PLAN. ALL REMOVALS SHALL BE DISPOSED OF BY THE CONTRACTOR.
- CONSTRUCT 4" P.C.C. PAVEMENT OVER 2" CMB PER APWA STD PLAN 112-2.
- CONSTRUCT 4" AC PAVEMENT OVER 4" OF 95 % COMPACT NATIVE SUBGRADE.
- CONSTRUCT P.C.C. CURB ACCESS RAMP WITH 3X4 TRUCATED DOME SURFACE PER APWA STD. PLAN 111-5 OVER 4" CMB.
- CONSTRUCT A1-6 CURB PER APWA STD. PLAN 120-2 OVER 6" CMB.
- CONSTRUCT PARK BENCH AREA PER DETAIL "A".
- PROTECT IN PLACE.
- CONSTRUCT PARKWAY DRAIN PER APWA STD PLAN NO 151-2 TYPE 2, S=24".

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	6.70'	S86° 51' 47"W
L2	169.31'	S87° 58' 18"W
L3	100.76'	S87° 58' 18"W
L4	14.54'	N14° 23' 25"W
L5	15.41'	N14° 23' 25"W
L6	64.46'	S87° 58' 18"W
L7	6.67'	S86° 51' 24"W
L8	24.21'	S32° 24' 45"W
L9	14.90'	S1° 10' 55"E
L10	17.12'	S39° 46' 47"W

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	17.59'	30.00'	33° 35' 40"	9.06'
C2	24.48'	10.00'	140° 15' 28"	27.67'
C3	116.01'	300.00'	22° 09' 25"	58.74'
C4	13.46'	10.00'	77° 08' 20"	7.97'



ALTERNATE BID

CONTROL POINT COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
24	1729894.13	6439137.35	380.44	FD L&TAG "LACO RD DEPT"
25	1730066.71	6438945.42	366.81	FD SPK&W "LADPW"
101	1729939.58	6438906.95	368.14	SET MAG-NAIL & WASHER "KDM CONTROL POINT"
102	1730042.81	6438669.33	353.84	SET MAG-NAIL & WASHER "KDM CONTROL POINT"
103	1729972.85	6438607.60	354.67	SET MAG-NAIL & WASHER "KDM CONTROL POINT"
104	1729903.46	6438765.15	360.95	SET MAG-NAIL & WASHER "KDM CONTROL POINT"
226	1730272.58	6438789.97	356.13	FD L&TAG "LACO RD DEPT"

- CONTROL POINT 24 (POSITION NOT TO SCALE SEE COORDINATE TABLE FOR POSITION)
- CONTROL POINT 102 (POSITION NOT TO SCALE SEE COORDINATE TABLE FOR POSITION)
- CONTROL POINT 226 (POSITION NOT TO SCALE SEE COORDINATE TABLE FOR POSITION)

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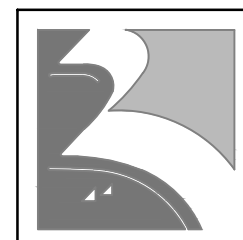
PLANS PREPARED BY:

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CITY OF RANCHO PALOS VERDES



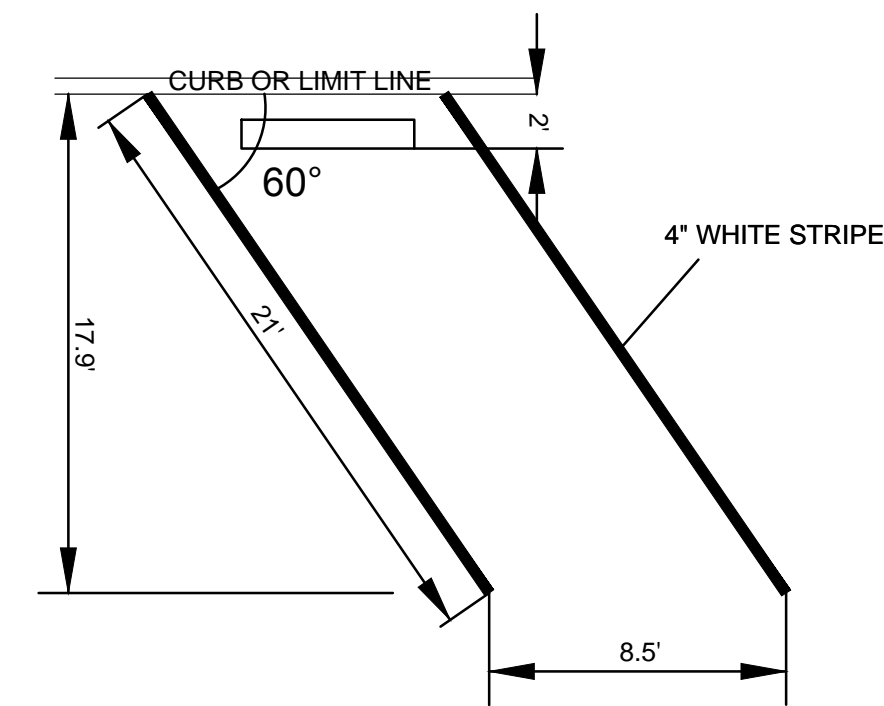
BUS STOP ADA ACCESS IMPROVEMENTS
PROJECT NO. 022217
PLAN AND PROFILE SHEET

SHEET 2 OF 3
SHT. 2

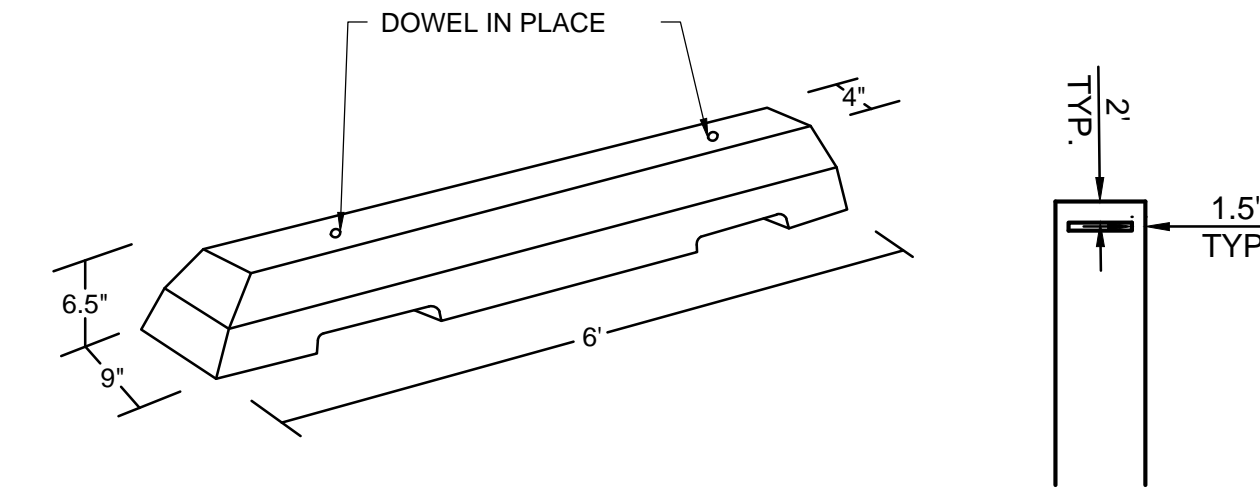
PROJECT NO. 022217

ALL STRIPING, MARKINGS, AND SYMBOLS SHALL BE PAINTED PER MUTCD SPECIFICATIONS. STRIPING SHALL BE LAID OUT AND APPROVED BY THE ENGINEER PRIOR TO PAINTING.

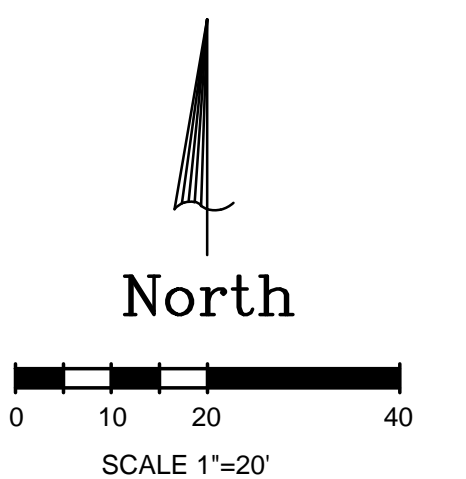
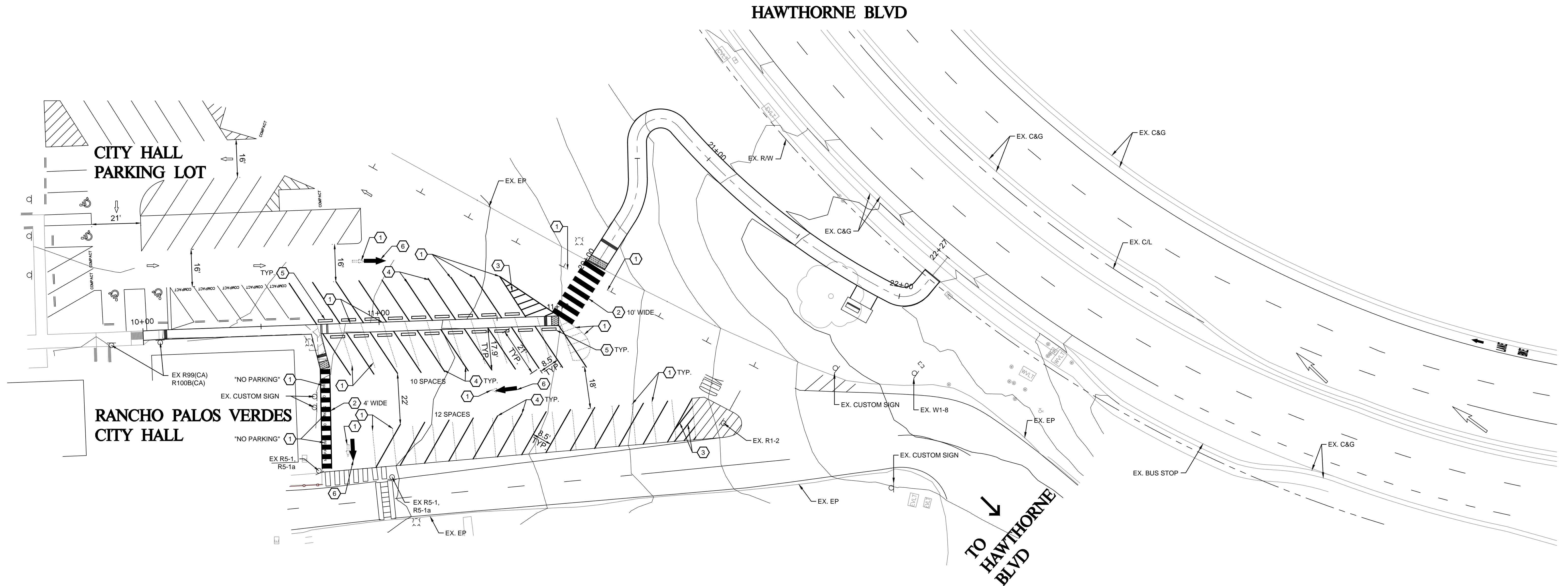
- 1 REMOVE EXISTING STRIPING BY SAND BLASTING.
- 2 APPLY 12" CROSSWALK/LIMIT LINE PER CALTRANS STD. PLAN A24E. CROSSWALK LONGITUDINAL LINES SHALL BE 24" WIDE AND SPACED 24" APART AS SHOWN ON THE PLAN.
- 3 INSTALL 4" WHITE DIAGONAL STRIPE 5' O.C.
- 4 INSTALL 4" PAINTED SOLID WHITE STRIPE PER DIAGONAL SPACE DETAIL.
- 5 INSTALL WHEEL STOP AS SHOWN ON PLANS.
- 6 INSTALL PAVEMENT MARKING PER CALTRANS STD. PLAN A24A TYPE I 10'-0" ARROW.



DIAGONAL STRIPE SPACE
NOT TO SCALE




WHEEL STOP DETAIL
NOT TO SCALE



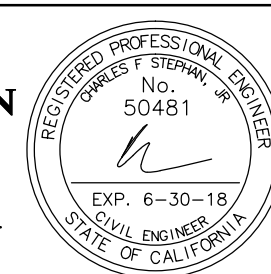
NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

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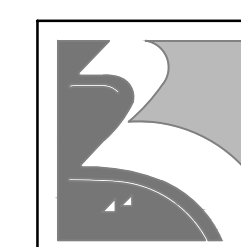
PLANS PREPARED BY:

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CITY OF RANCHO PALOS VERDES



BUS STOP ADA ACCESS IMPROVEMENTS
PROJECT NO. 022217
SIGNING AND STRIPING

SHEET 3 OF 3
SHT. 3

PROJECT NO. 022217